digital identification solutions

Startup Guide

Setup and Basic Usage of the Printer

Dye-Sublimation Direct Card Printer

Model

EDIsecure®

DCP360i

Read Me First

- Notes for Safe Operation
- Before Use

See pages 5 to 8

Setup

- Setting Up the Printer

See pages 10 to 17

Installation of Software

- Connecting to the Host Computer
- Installation of DCP360i software
- Checking Connection with the Host Computer

See pages 18 to 19

How to Read the Instruction Manual (Electronic Manual)

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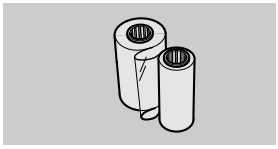
Changing of Ink Ribbon



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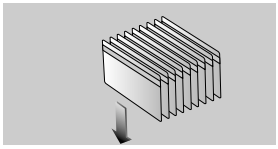
Setting / Replacement of Card



See pages 14 to 16

Maintenance

See pages 21 to 24

Troubleshooting

See pages 25 to 28

- Thank for purchasing this product.
- ⚠ Please read this manual carefully before use to ensure correct operation. It is particularly important to read the Notes for safe operation. After reading, retain this manual carefully for future reference.
- The product number is important for quality control. Upon purchase, check the back of the unit to make sure that the product number is correctly displayed.

Notes about this manual

(1) This manual may not be reprinted in any way without permission.

(2) The contents of this manual, as well as the specifications and design of this product, may change without notice.

(3) The illustrations used in this manual may differ slightly from the actual product.

ME01

KAT- T189-009

Declaration of Conformity

Model Number: DCP360iyyyyy(y=A-Z,0-9 or blank)

Product name: Dye-Sublimation Direct Card Printer

We herewith declare that the above mentioned product complies with the following council directives and harmonized standards.

Council Directives:
- 1999/5/EC relating to radio equipment and telecommunications terminal equipment.
- 89/336/EEC relating to electromagnetic compatibility.
- 2006/95/EC relating to electrical equipment designed for use within certain voltage limits.

Harmonized Standards:
- EN55022:1998+A1:2000 +A2:2003 Class B
- EN55024:1998+A1:2001+A2:2003
- EN61000-3-2:2000
- EN61000-3-3:1995+A1:2001
- EN60950-1:2001
- EN50371:2002
- EN300 330-2:V1.1.1
- EN301 489-03:V1.4.1

Manufacture:

Victor Company of Japan, Limited
2969-2, Ishikawa-cho, Hachioji-shi, Tokyo, 192-8620, Japan

Importer and distributor:

Digital Identifications Solutions Group
Teckstrasse 52, 73734 Esslingen, Germany
Tel : +49 711 341 - 0 , Fax: +49 711 341 689 - 550

Year to begin affixing CE Marking: 2005

Hachioji-shi, Dec., 2007 — T. Nakama

Place, Date

Tsutomu Nakama Manager-Quality Control
Victor Company of Japan, Limited

For USA only

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada only

Operation is subject to the following two conditions:
(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For EU only CE

Machine Noise
Sound power level: less than 70 dB (A) according to DIN45635 part 19 (EN27779).
The measurements are to be made according to DIN 45635 part 2019 or EN27779, respectively.

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Softwar use permission contract

Notes for safe operation

Before you use

Read these notes on safety thoroughly before operating your printer in order to use the unit properly. To use the software, you will need to accept terms in the Software Licensing Agreement. Please read through the “Software Licensing Agreement” at the end of this book before use. Once you start using the unit, this manual should be put aside the unit, or at a convenient place where you can look up the manual any time as you need.

⚠ WARNING

● If you ignore the warning with this mark, and handle the unit in a wrong way, death or serious injuries may occur.

⚠ CAUTION

● If you ignore the caution with this mark, and handle the unit in a wrong way, injuries or damages to properties may occur.

⚠ WARNING

■ If the abnormal phenomena as listed below are seen, immediately stop operating the unit. Continuing operation may cause a fire or electric shock.

• Smoke or odd smell comes out from the machine.
• Water or metal went into the machine.
• The unit fell to the floor, or the cabinet was broken.
• The power cable is damaged (exposed lead, broken cable, etc.)

If you see these phenomena, turn off the power, pull out the power plug, and contact your dealer as soon as possible. Do not try to repair it by yourself. It is dangerous.

■ Do not remove the screws, or disassemble or alter the machine.

• High-voltage components are contained in the unit. Touching these areas may result in an electric shock.
• Ask your dealer if you want your printer inspected or repaired.
• Do not remove the external covers of the machine. You may get an electric shock.

■ Do not work on the power cable, or give excessive force on it. Do not put heavy objects such as furniture on the cable.

• The cable may be damaged, causing a fire or electric shock.
• When you find a defect on the power cable, such as exposed lead, stop using the unit, and consult your dealer.

■ Do not use the machine with the power plug inserted incompletely.

• The machine generates heat due to incomplete contact, causing a fire or electric shock.
• Do not put many cords on a single plug socket. The power cords also heats up.

■ Do not use the machine with dusts piled on the power plug. Do not put a metallic material adjacent to the power plug.

• Dusts and metal are conductive, causing a fire or electric shock.
• Pull out the power plug from the outlet every six months, and clean the dusts piled on the legs and body of the plug.

■ Do not use a line voltage other than instructed.

• Using a line voltage or power supply which is not specified may cause a fire or electric shock.

■ Do not put foreign materials from the openings of the machine (e.g., vents, card slots, cassette inlet, etc.)

• Metals, flammable things, and other foreign materials may cause a fire or electric shock if entering into the machine.
• If these things went into the machine, immediately turn off the power, pull out the power plug, and ask your dealer to repair. Do not try to repair it by yourself. It is dangerous.

■ Do not put a container with liquid in it, or small metal ornaments and the like on the machine.

• The liquid or metal entering into the machine acts as a conductor, causing a fire or electric shock.
• If liquid or metal went into the machine, immediately turn off the power, pull out the power plug, and ask your dealer to repair. Do not try to repair it by yourself. It is dangerous.

■ Do not place the machine on a rickety table or slanting places.

• The machine may fall out of the table or fall over, which may damage the machine or injure you.
• If the machine is damaged by falling or turnover, immediately turn off the power, pull out the power plug, and ask your dealer to repair. Do not try to repair it by yourself. It is dangerous.

■ Do not wet the machine with water.

• Using the machine at a place where water splashes on the machine, or wetting the machine with water (applying, throwing, or spilling water over the machine) may cause a fire or electric shock.
• If water entered into the machine, immediately turn off the power, pull out the power plug, and ask your dealer to repair. Do not try to repair it by yourself. It is dangerous.

■ Do not touch the machine with wet hands.

• Touching the machine with wet hands may cause an electric shock.

■ Do not touch the power plug during electrical storms.

• Lightning may cause an electric shock.

■ Ground the machine with the attached electric cord when connecting it to the utility outlet.
• Using a cord other than the one supplied for grounding may cause an electric shock when the machine fails.

■ Do not put your head or yourself into the packaging bag.
• Do not play with the packaging bag. You may suffocate yourself.
• Give close attention to small children who may want to play with the packaging bag.

■ Do not use the machine while it has a fault.
• Do not use the machine while it has a fault, as this may cause a fire or electric shock.
• Immediately turn off the power, pull out the power plug, and ask your dealer to repair. Do not try to repair it by yourself. It is dangerous.

⚠ CAUTION

■ Pull out the power plug before cleaning the machine.
• This is for preventing electric shocks.

■ Pull out the power plug when you won't use the machine for a prolonged period of time to assure safety.
• Remove the power plug from the outlet for safety when you won't use the machine for a long time.

■ Do not move the machine with the power cable and other electric cables connected.
• The cables may be damaged while being moved, which may cause a fire or electric shock.
• You may stumble over the cable and get injured.

■ Do not move the machine with objects placed on it.
• They may fall on you and hurt you.

■ Do not put heavy objects on the machine.
• They may fall on you and hurt you.

■ Do not block the vents.
• Heat generated inside the machine cannot escape, which may cause a fire.

■ Inspection
• Ask you dealer or a qualified person to inspect the machine, typically once every two to three years. Operating the machine with dusts piling on the components for a prolonged period of time may cause a fire or a malfunction of the machine. It will be particularly effective to inspect the machine before wet rainy season. Consult your dealer on the costs of inspection.

■ Do not put the machine at a place where it will be wet with steam (e.g., from a humidifier), or at a excessively humid or dusty place.
• The oil, water and dusts act as conductors, which may cause a fire or electric shock.

■ Do not put the machine at a place where it becomes excessively hot.
• The surface and internal components may deteriorate. Also there is a danger of a fire. Special care should be taken for exposure to direct sunlight or a heater adjacent to the machine.

■ Hold the body of the power plug when pulling it out.
• Do not pull out the plug by holding the cable. The cable may be broken or damaged which may in turn cause a fire or electric shock.

■ Do not touch the power plug with a wet hand
• You may get an electric shock.

■ Do not lay the power cable near the heating equipment.
• The covering of the cable will melt due to heat from such equipment, which may cause a fire or electric shock.

■ Be careful of jamming your hand or fingers in the card cassette or printer door.
• Replace the ink ribbon or remove jammed cards with care not to jam your hand or fingers in the mechanism, which may cause an injury.

■ Do not use a power cable other than the specified cable for connection.
• If you use an unspecified power cable for connection or extension, heat may accumulate in the cable, causing a fire.

Before use

(to the next page)

Printer Characteristics

- This card printer prints high quality full-color images equivalent to photographs using dye sublimation printing on standard-size (ISO7810 compliant) PVC cards.
- Printing can be done on both sides of the card.
- Able to print maximum of 180 cards per hour. (For Standard mode and single-sided printing)
- Able to add on laminating function by connecting to the optional Laminator unit (ILU).

Checking Accessories

Check the accessories that come with this printer when unpacking.

- Startup Guide (this book) x 1
  *Besides this book, Instruction Manual (electronic instruction manual) is available on the attached CD-ROM.
- Attached CD-ROM ..... x 1
- Power Cord:
  AC 120V type (For North America)(250cm) x 1
  AC 200V type (For Europe)(250cm) ..... x 1
  *The supplied power cord, instruction manual and attached CD-ROM vary depending on the shipment destination and product model.
- Cleaning Card (for card transport roller) · · · · x 1
- Card Stacker · x 1
- Ink Ribbon Cassette · · · · · · · · · · · · · · · · · · · x 1
- Card Cassette · x 1
- Cleaning Unit · x 1
- Protection Card · x 1
- USB Cable(200cm) · x 1

Content of Attached CD-ROM

- Instruction Manual (Electronic)
- DCP360i Printer Driver
- DCP360i Status Monitor(Printer Monitoring/Setup Tool)
- DCP360i Printer Driver Instruction Manual
- DCP360i Status Monitor Software Instruction Manual

Protection of Color Part

Be sure to carry out protective layer (OP) printing or laminating in order to protect the print part that performs color (YMC ink) printing.

Handling the Ink Ribbon and Card

Cautions for Handling

Pay attention to the following when handling the ink ribbon and card.

- Use of distorted or damaged card will result in card transport error.
- Touching the ink ribbon or printed surface of the card directly with your hand will result in uneven print density.
- Attachment of foreign objects to the printed surface may result in missing prints.
  Change or replenish your ink ribbon and card in a clean environment.
- Electrostatic discharge on the ink ribbon and card may result in errors. Refrain from activities that will generate static electricity, such as rubbing the cards.
- When replacing or replenishing old ink ribbons or cards with a new one that is stored under a low temperature, leave it for more than one hour in the ambient temperature where the printer is used. Using it directly will result in condensation, causing printing error and breakdown.

Storage Method

The storage conditions of ink ribbon and card can greatly influence the print quality. Choose the following type of places for storage.

Storage environment
Temperature: 5 °C to 25 °C
Relative humidity: 40 % to 60 %

Storage Place
Avoid storing at the following places as it may result in ink ribbon and card degradation.
- Locations with direct sunlight
- Locations with high temperature and humidity
- Locations near organic solvent and diazo copying machine

Storage period
Ink ribbons should be used within a half year of purchase. For cards, please consult the dealer from which they are purchased.

Storage and Handling of Card After Printing

Avoid storing at locations with direct sunlight, high temperature and humidity.
Contact with the following chemicals and stationery may also result in discoloration or fading of the card.

- Organic solvents such as alcohol, film cleaner and diazo copier.
- Soft PVC file, document case, pass holder, eraser, etc.
- Hairdressing products, cosmetics, etc.

Purchase of Ink Ribbon and Card

Consult your dealer for any queries regarding the ink ribbon and card.
Make sure to use parts as specified below.

Ink Ribbon

Use only specific ink ribbons.
Refer to the page 33 on “Optional Items” in this manual for the product names.

CAUTION We do not bear any responsibility for problems occurred as a result of using ink ribbons other than the types specified.

Card Specifications

ISO/IEC 7810 type ID1 (dimensions) : equivalent product
ISO/IEC 7811-2 (Magnetic stripe) : equivalent product
ISO/IEC 7816 (IC card) : equivalent product

CAUTION Depending on the material, some cards may not be suitable for printing.
The use of contact IC cards other than the type specified may result in breakdown of the thermal head.
Consult your dealer beforehand on the material and other specifications of card to be used.

Escape Clause

We do not provide compensation for any malfunction during card printing caused by breakdown of the machine, ink ribbon defects or card characteristics.
In addition, we also do not provide compensation for insufficient print quality, which are not agreed in advance. Please evaluate carefully beforehand.

● Card Material

Some card material may not be suitable for printing.
Using a contact-type IC card other than those specified by the dealer, may cause damage to the thermal head.
For details on the specifications about card material or others, consult the dealer in advance

● Version upgrade

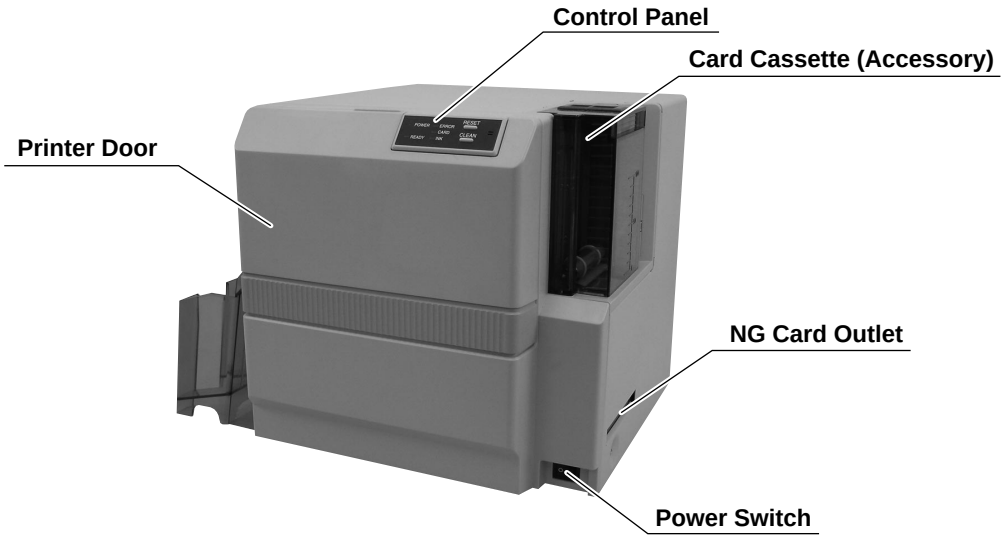
The following defects may occur as a result of the ver sion upgrade for the firmware of the printer, the printer driver and the DCP360i status monitor

- The operation of the printer or application software becomes unstable.
- Defects in print result occurs.
- Print color or shade differs.
- The performance of reproducing fine letters, changes.
- Others

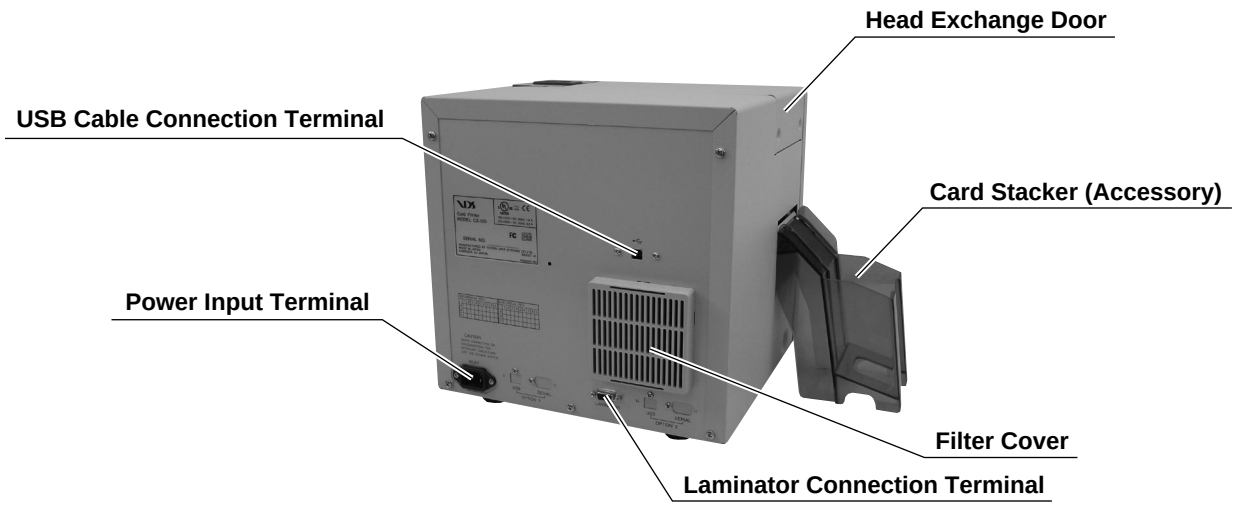
Be sure to retain a copy of the current version when performing version upgrade. Reinstall the previous ver sion immediately if these problems occur. We are not liable for any damage such as defective cards or inter ruptions during printing as a result of the version up grade.

Part Names

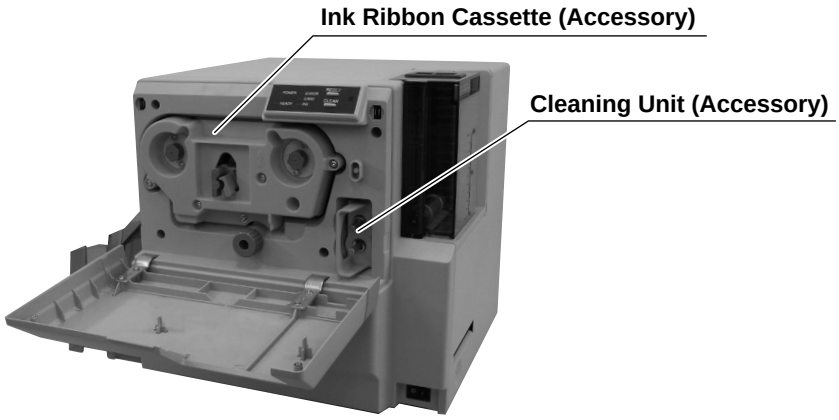
(Front / Right)



(Rear / Left)



(When Printer Door is Open)



Setup

Location for Installation

The performance of card printers is greatly influenced by the environment of the installation location.
Do not install at the following locations.

- Dusty Location
  The cleanliness level of location where the printer is used should be compliant with ISO14611-1 Class 8. Different from the common type of paper printers, dusty locations will result in uneven print density and breakdown of the dusty thermal head. Switch off the printer's power when no card is being printed. Fine dust will be collected inside the printer after leaving the power on for a long time, resulting in uneven or dirty print.
- Locations with strong vibrations and shock
- Locations exposed to direct sunlight
- Locations where there is possibility of foreign objects such as metal pieces entering the printer
- Locations against the wall with poor ventilation
- Unstable and inclined locations
- Locations which easily give rise to static electricity such as carpeted rooms
- Locations which easily give rise to condensation inside the printer such as places near the cooler, humidifier or stove

Temperature and humidity of room where printer is installed should be as follows.

Temperature : 15 °C to 30°C
Humidity : 35 % to 70 %

CAUTION Using the printer in an environment beyond the above range may cause printing problems due to decrease in print density at low temperature and distorted card and creased ribbon at high temperature.

There are ventilation holes for cooling at the back of the printer. Place back more than 10 cm away from the surrounding wall. Additionally, ensure that there is at least an allowance of 10 cm between the right end of the printer and the wall so that cards can be discharged from the NG Card Outlet. Do not place any object above the printer.

Setting Up the Printer

Connecting the Laminator

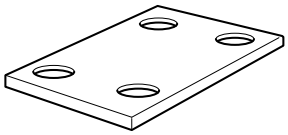
An optional laminator is available for this printer. A special connection cable is required to connect this unit. Consult your dealer for more details.

⚠ WARNING

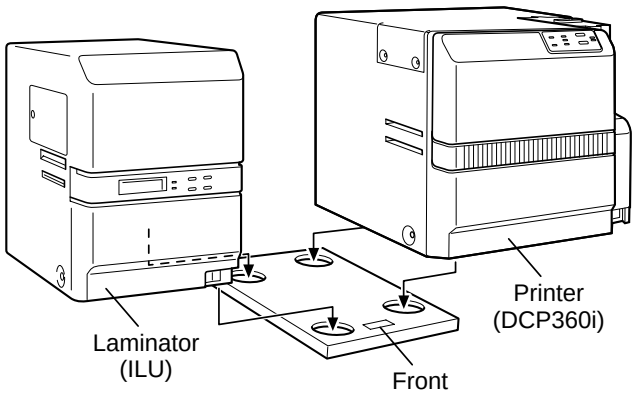
Electric shock

- Install and uninstall the laminator only after switching off the power of the printer as well as other devices that are connected to it and pulling out the plug from the power outlet. Failure to do so may result in danger of electric shock!
- Use the dedicated unit and cable when installing the laminator. Failure to do so may result in breakdown or electric shock and fire.

1. Set up the unit coupler plate which comes with the laminator (optional).



2. Insert the printer and laminator into the hole.

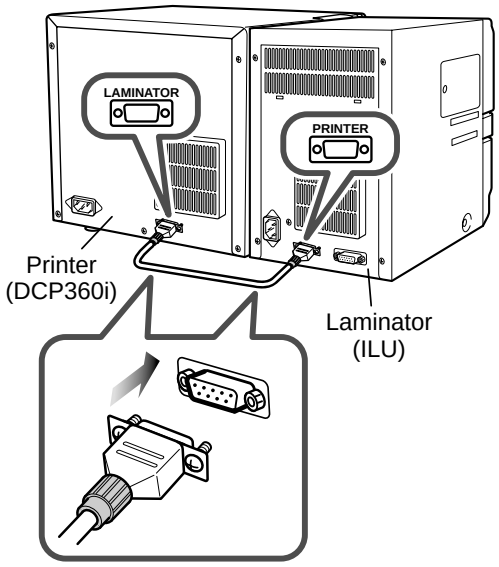


CAUTION If the mounting is uneven, the card will not be transported smoothly. Be sure that the units fit in properly. Always install the unit at a horizontal and hard surface.

Setup (continued)

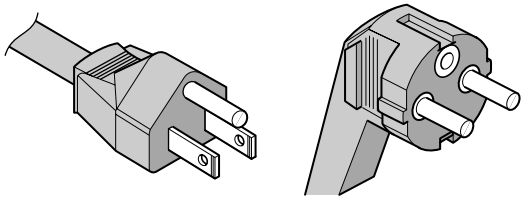
3. Connecting a cable (optional) between units

Insert the cable into the “LAMINATOR” external connection terminal at the printer and the “PRINTER” external connection terminal at the laminator, followed by fastening the cable with the screws provided.



Connecting the Power Cord

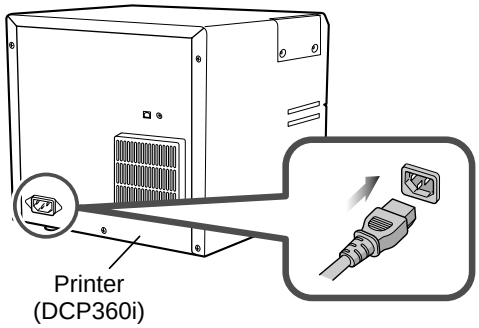
1. Check the plug.



- For AC 120V type (North America)
- For AC220-240V type (Europe)

* The detached power cords vary according to model and country of purchase.

2. Insert the power cord into the power input terminal at the back of the printer, followed by plugging the other end to the power outlet..



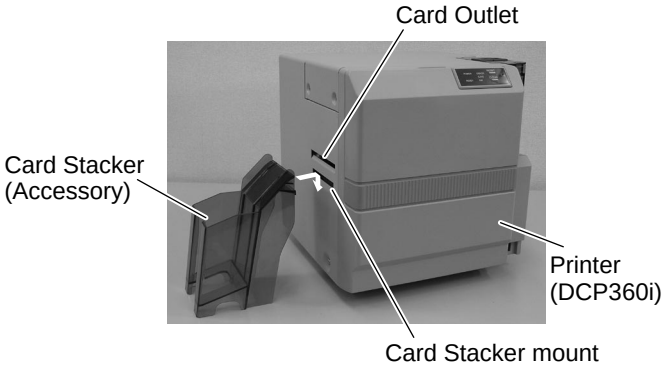
Connect the power cord to the power outlet in the same way when connecting the laminator.

CAUTION Always use a dedicated power supply with earth terminal for the power outlet.

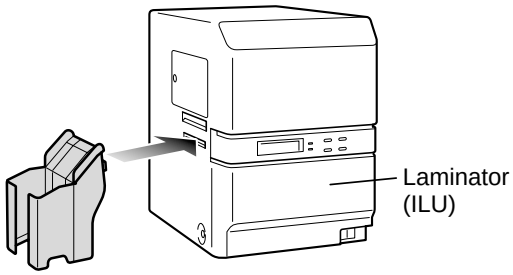
Use AVR (Automatic Voltage Regulator) when there is possibility of voltage variation. Use of an uninterruptible power source instead of AVR is recommended when there is possibility of momentary power interruption.

Mounting the Card Stacker

Pull the tab of the Card stacker at the stacker mount of the printer.



When connecting the laminator, pull the tab of the card stacker at the stacker mount of the laminator card.



The card stacker can hold about 100 cards that are 0.76mm in thickness.

Ejection of Card

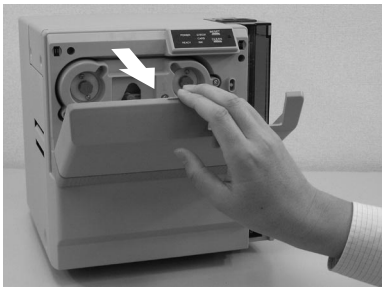
A properly printed card will be ejected to the card stacker. If cards remain inside the printer when the power is on or the printer is being initialized, or if some abnormal situation occurs with magnetic cards or IC cards, those cards will be ejected from yhe N.G. Card Outlet on the right side of the printer.

Setting the Ink Ribbon

CAUTION Do not touch the inked surface with your hands.

1. Place your fingers on top of the printer door and open towards you.

Open slowly while supporting with your hands.



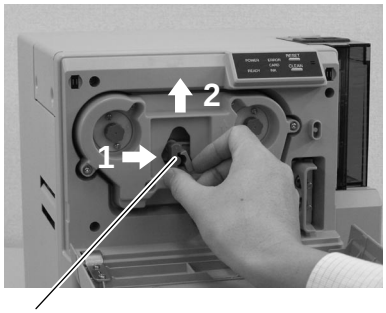
CAUTION Do not install the ink ribbon on top of the printer door. Do not rest your elbow or place heavy objects on top. Doing so may damage the printer door.

2. Remove the ink ribbon cassette

(1) Hold the release lever with fingers, and **2** lift the lever to unlock.

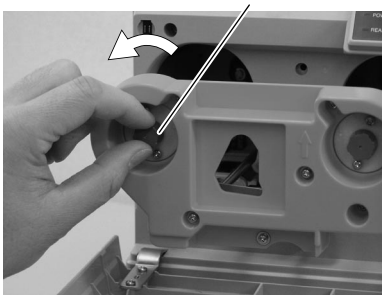
* Exchanging ink ribbons:
Upon ensuring that the ink ribbon is pulled out by about 3 cm, turn the knob on the ink ribbon cassette in the direction indicated by the arrow to tighten the ribbon sag.

Remove the ink ribbon cassette while supporting it with both hands.
Stand the ink ribbon cassette on a flat and firm surface.
Remove any used ink ribbon.

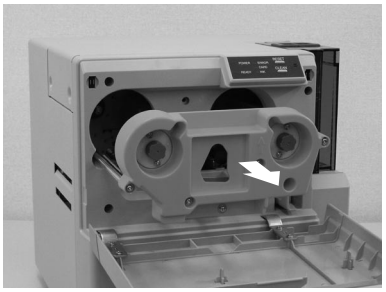


Release Lever

Unlock



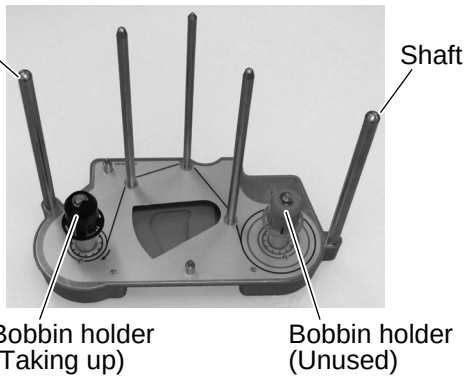
Remove ribbon sags

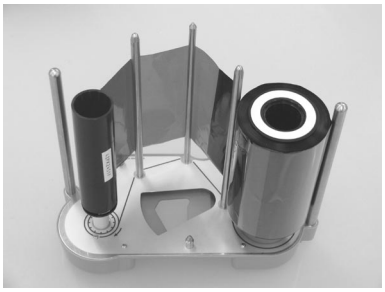


Remove ink ribbon cassette

CAUTION When the ink ribbon is installed, be careful not to drop it into the inner section when pulling out the cassette.

CAUTION When removing the cassette for cleaning, always stand it as shown in the photo below. Allowing the inked surface to touch the ground will make the ink ribbon dirty and cause malfunction.



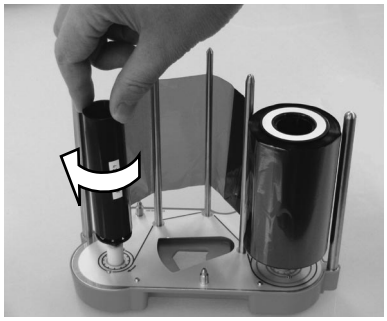


3. Insert ink ribbon into the ink ribbon cassette

With the inked surface facing the outside (inner side rolled into the bobbin holder), stretch along the 3 shafts and insert all the way into the bobbin holder.

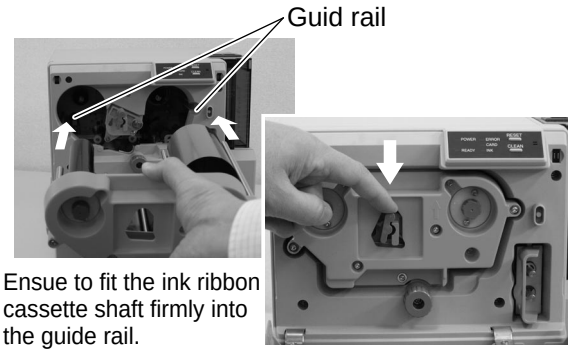
4. Remove ink ribbon sags

Turn the taking up bobbin in the direction of the arrow to remove any ink ribbon sag.



5. Insert ink ribbon cassette along the guide rail

While making sure that the ink ribbon does not sag, insert the ink ribbon cassette all the way in along the guide rail and push down the lever to lock the ink ribbon cassette. If it is not so smooth to push down the lever, pull out the ink ribbon cassette once ,insert it again and push down the lever while pushing the ink ribbon cassette.



Ensue to fit the ink ribbon cassette shaft firmly into the guide rail.

CAUTION If the ribbon sags, it will result in jammed ink ribbon and blurred color caused by wrinkles when the ink ribbon cassette is inserted.

CAUTION Inserting ink ribbon cassette by force when the guide shaft is not properly placed in the guide rail may damage the device.

6. Close printer door.

Shut the printer door tightly by pressing on the top right section of the printer door.

CAUTION To prevent damage, the printer door is made in such a way that it cannot be closed properly when the ink ribbon cassette is not locked or when the ink ribbon cassette is not inserted. Closing the printer door by force in such a case may damage the device.

7. Checking

When ink ribbon is changed with power on, the printer will automatically initialize once the printer door is closed. If printer power is off, it will start to initialize once it is switched on.
Check that initialization is carried out properly and the READY LED (green) is illuminated on the printer control panel.

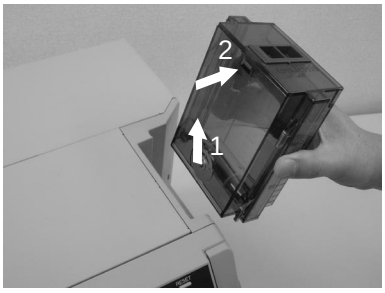
Adjusting Card Thickness

This printer can print cards with thickness between 0.25 mm to 1.00 mm. Default thickness is adjusted to 0.76mm.

1. Remove card cassette

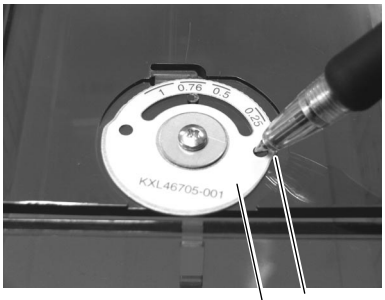
Lock the card cassette cover by moving the slider on the top of the card cassette to LOCK.

Lift the card cassette up by about 1cm and slide to the right to remove the cassette.



2. Adjust the Card separator

Insert the tip of a ball pen etc, into the hole on Card separator of the card cassette and turn slowly to adjust to the thickness of your card.



Ball pen etc.
Card separator

During printing, when the card is not discharged from the card cassette, adjust the Card separator adjustment position clockwise, one scale at a time. If 2 cards are discharged, adjust the Card separator adjustment position anti-clockwise.

When cards of different thickness are used frequently, it is recommended that you purchase an additional card cassette based on the thickness of the card. Refer to Optional Items (see p.33) regarding purchase of card cassettes.

Setting the Card

Get ready the specified cards from your dealer.

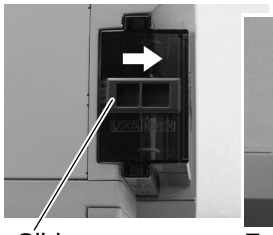
CAUTION

- Stains such as fingerprints on the printed surface will result in printing error. Use lint-free gloves (optional) when handling the card.
- Insert the card in an environment that is not subject to excessive dust.

1. Removing card cassette cover

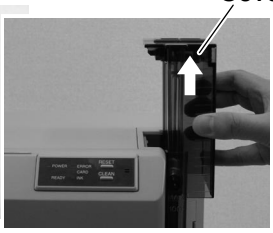
Unlock by moving the slider on the top of the card cassette to OPEN. Lift the cover.

Top View of Printer



Slider

Cover



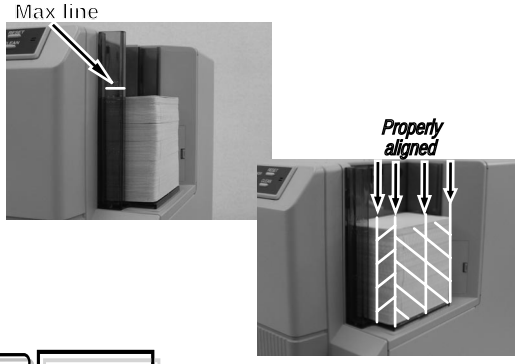
Front View of Printer

2. Insert card

Card cassette can hold about 100 cards of 0.76mm in thickness.

CAUTION Cover cannot be closed if too many cards are inserted. Check to ensure that they are kept below the MAX line.

CAUTION Cover cannot be closed properly if the cards are not properly aligned. Check to ensure that they are properly aligned.



CAUTION When using a new card from the box, the cards may stick together due to static electricity. In such a case, separate the cards piece by piece before setting them. Alternatively, operate while holding the edge of the card.

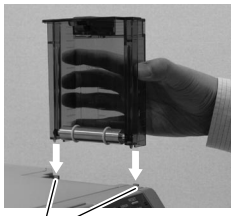
3. Put the protection card on the cards with the polished side of the protection card up.

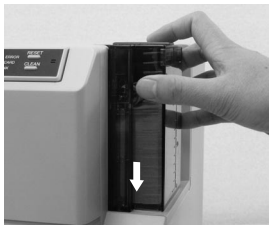
CAUTION The protection card shall be put on the top for any kind of cards.

CAUTION To avoid card feeding jam, the number of cards to be set in the cards cassette shall be less than 100pcs. For example, if 0,25mm thick cards are used, the top of the piled cards should be lower than the level marked as 40.

4. Covering the card cassette cover

Mount from the top, following the cassette guide.





CAUTION The cover may not be closed if the cards are not properly aligned. Closing the cover by force in such a case may damage the device.

CAUTION Be careful not to catch your fingers when attaching the cover.

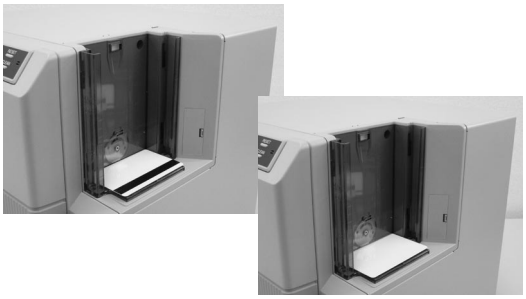
CAUTION Feeding without closing the cover will result in printing malfunctions such as jammed cards and adhesion of foreign particles. Always feed with the cover closed.

Memo

When using the pre-printed cards, refer to the instruction manual of the host computer's operational software on procedures to insert the card.

When Using a Magnetic Card

When using a magnetic stripe card, set to any of the following according to the layout.

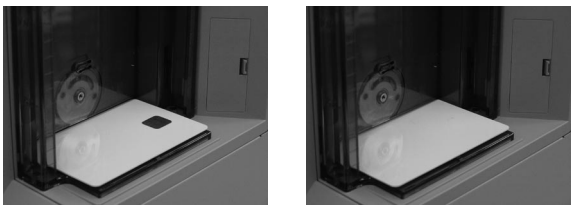


Set with magnetic stripe on the top right or bottom left.

CAUTION We do not guarantee printing onto magnetic stripes.
Do not print on the magnetic stripe as it will cause failure in reading and writing the magnetic data.

When Using a Contact-type IC Card

When using a contact-type IC card, set to any of the following according to the layout.



JIS MG Optional Model

Set IC terminal to printer's inner top or inner bottom.

ISO MG Optional Model

Set IC terminal to printer's front top or front bottom.

CAUTION When using a card with both magnetic stripe and contact-type IC, insert card by using the IC side as the reference side.

Supply of Card

Supply of card can be performed when the READY LED (green) on the control panel, or when the CARD LED (red) is illuminated.
Supply of card is also possible when the power is off.
Supply of card can be performed during printing, but we advise it to be done when printing is not in progress as feeding without cover may result in printing malfunctions such as jammed cards and adhesion of foreign particles.

CAUTION Supply card carefully to avoid interruptions during printing and printing errors caused by vibrations while opening and closing the card cassette.

Connecting the USB Cable

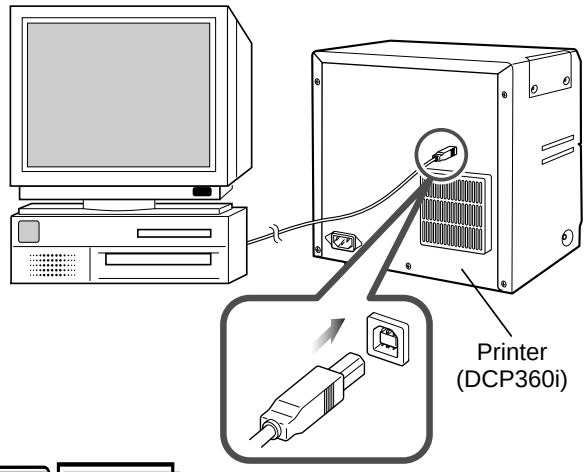
CAUTION

Do not switch off the power of the host computer during printing, and do not use the suspend function on the host computer.
If the power of the host computer is switched off during printing, or if the suspend function of the host computer is activated, cards printed halfway may remain in the printer. When this occurs, open the printer door and close it again. Cards remained in the printer will be ejected from the NG Card outlet.

1. Check to ensure that the power of both the printer and host computer are switched off.

2. Connect the printer and host computer with the USB cable.

Insert the USB cable to the USB cable connection terminal at the back of the printer.



CAUTION

Adjust orientation of the USB cable according to the terminal, and insert it all the way in.

CAUTION

Consult your dealer on the cable connection if there are USB or serial cable connection terminal on the printer's optional port.

CAUTION

- The location of terminals varies with the host computer. Please refer to the instruction manual of the host computer.
- When there are multiple USB cable comection terminal on the host computer, either one can be used.
- Do not connect to the USB comection terminal on the host computer's monitor or keyboard. It may not be recognized correctly.
- When using a USB hub, connect to the hub that is directly linked to the host computer.

Connecting Multiple Printers

When connecting a host computer to multiple printers, set different Unit Numbers from 1 to 7 for each printer. Setting can be done at the printer's control panel.
Unit number is not necessary when only 1 printer is being connected.

1. Set printer to Unit number Setting Mode

Switch on the power while pressing the CLEAN button on the control panel. READY LED (Green) and ERROR LED (Red) will be lighted when the CLEAN button is released. Upon pressing the RESET button on the control panel, the READY LED (green) starts to blink and the current unit number will be displayed. There are 3 status, namely ERROR LED (red), CARD LED (red) and INK LED (red) for each unit number, which are shown as in the following diagram.
* Initial value: 1

LED Status and Unit Numbers

Unit No.	1	2	3	4	5	6	7
ERROR	■	■	■	blink	blink	blink	blink
CARD	■	blink	blink	■	■	blink	blink
INK	blink	■	blink	■	blink	■	blink

blink ■ Light off

CAUTION

In order to connect to multiple printers, setting will be required for the printer driver in use as well as for the card issuance software. Do so by referring to the respective manuals.

2. Set Unit Number

1 new Unit number will appear every time the RESET button on control panel is pressed. Press the CLEAN button to save the setting when the Unit number that you wish to set appears. The READY LED (green) only will change from blinking to lit when it is saved. To change again, press the RESET button to return to the setting mode.

3. Switch off the power

Installation of Software

Connecting to the Host Computer

CAUTION When installing the software, log-on shall be done by a qualified user(Administrators Group).

Software Licensing Agreement

Before using the software contained in the CD-ROM supplied, please read through the “Software Licensing Agreement” at the end of this manual.
You will not be allowed to use this software unless you have agreed to accept the terms stated in the agreement.

About software

The following softwares are required in order to use DCP360i. These are kept in the attached CD-ROM.

(1) DCP360i Printer Driver
Install the printer driver from the attached CD-ROM when using DCP360i printer drivers. Refer to the electronic file in the CD-ROM “Printer Driver Install Manual” for method to install. Refer to the respective guide books on the use of other printer drivers.

(2) DCP360i Status Monitor
Software that carries out various settings and indicates the status of DCP360i. Install into the host computer that connects to DCP360i.

Installation of DCP360i Printer Driver

Refer to the electronic file “Printer Driver Install Manual” (Install PRD01∗.PDF) stored in the folder “English/ Document” ,and install the printer driver.

CAUTION

When the message “connect the USB cable to the printer” appears on the screen,connect the USB cable.

Checking Connection with the Host Computer

Check the printer and software operation after installing the USB driver and DCP360i status monitor.

1. Check to ensure that the printer is connected to the host computer.

2. Switch on the power for the printer and host computer.

3. Start up the DCP360i status monitor once the host computer is booted up.

4. Check that the printer is ready from the printer status display (Diagram A) on the DCP360i status monitor.

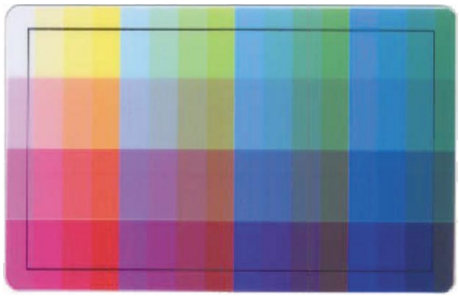
Status Display Screen

1 Check the connection between the printer and host computer when the “No printer is found.” message is displayed.
2 If “Initializing” is displayed, wait till the “Ready” message appears.
3 Display of other messages indicates that failure has occurred. Refer to “Cause and Action for Error Code” on page 25 of this manual.

5. Select B to display others screens and carry out test printing.

Others Screens

1 Select “Both Sides” for test printing and click on the Print button.
2 Print a card with the picture below on both sides.



Operation check for the printer and installed software is now complete. For actual printing of cards, refer to the manual of the card issuance software or printer driver in use.

How to read the Instruction manual (electronic manual)

An instruction manual (electronic manual) is included in the attached CD-ROM. To view the manual, you need to install Adobe Reader (Ver6.0 and above) on the host computer. Adobe Reader can be downloaded free-of-charge from Adobe's website.
You can either open the instruction manual directly from the CD-ROM or copy it to the hard disc of the host computer.

Content of the Instruction Manual (electronic manual)

- Operating the Printer
  - LED Display
  - Names of Various Sections on control panel
  - Button Control
  - Initialization
  - Test print using the printer alone
- Differences between printing modes
- How to Use the Status Monitor
  - Screen Configuration
  - Monitoring Printer Status
    - Ready Status Display
    - Error Status Display
    - Other Status Display
  - Changing Printer Settings
  - Checking the Media and Printing Status
  - Display When Ink ribbon is Unknown
  - Checking Printer Configuration
  - Resetting the [No. of Cards Issued] Item
  - Test Printing
  - Upgrading Firmware
- Troubleshooting (detailed version)
  - Internal Configuration
  - List of Error Codes and Corresponding Actions
  - When ink ribbon is torn
  - Problems Related to Printing
  - Problems related to Color Printing
  - Problems Related to Text Printing
  - Problems Related to Protective Layer(OP)
  - Actions to Take When Printer Fails to Start Up
- Version upgrade
- Specifications
  - Main Specifications
  - External Dimension

Maintenance

Ensure that maintenance is carried out when power switch of the printer is off.
(Clean the card cleaning roller and magnetic head when power is ON.)
To keep Printer in its best condition at all times, be sure to check each part before use and clean it whenever there is any dirt or dust.
In particular, dirt and dust on the cleaning roller, thermal head and card transport roller will result in blurring of the print or color shifts.

Cleaning the Cleaning Roller

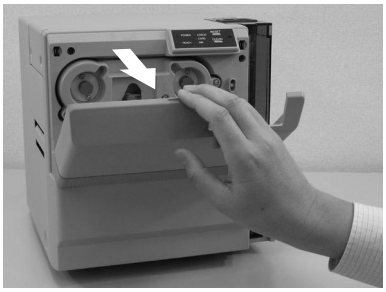
The cleaning roller is used to remove dust and dirt adhered to the card. It is recommended that you clean it after every use if you use it daily. In addition, it may be difficult to clean in some cases due to the large amount of dust and dirt depending on cards. In this case, clean them after every 100 ~ 200 pieces.

CAUTION

Do not clean when printer is running.

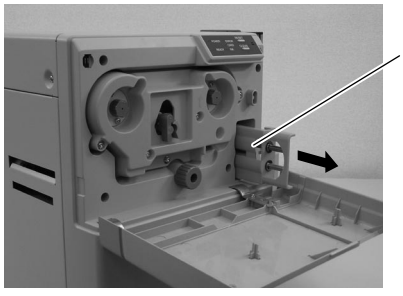
1. Place your fingers on top of the printer and open it towards you.

Open slowly while supporting with your hands



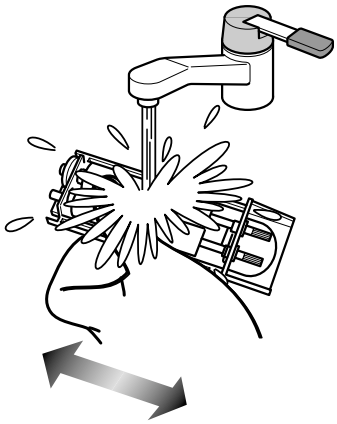
2. Remove the cleaning unit.

Pull it open as shown in picture below.



3. Wash the roller of cleaning unit with water.

Remove dirt on the roller surface with your fingers while pouring water on the roller. Allow it to dry naturally after washing. Do not use any form of liquid other than water (e.g. alcohol, etc.) to wash the cleaning unit.



CAUTION

Moisture remaining in the gap between rollers or behind a roller may result in printing errors. Do not set up the cleaning unit after washing until it is fully dry.

4. Set the cleaning unit to the printer.

With the roller on the right side, push it all the way in.

5. Close the printer door.

CAUTION

The decline in cleaning unit's removal capability may result in defects in the printed card. In such a case, replace the cleaning unit with a new one. (Estimated interval for exchange is about 1 year)

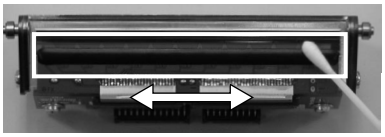
Cleaning the Thermal Head

Defects will occur such as lines appearing on the printed card if the thermal head is dirty. We recommend cleaning to be carried out every time when the Thermal Head Counter on the Media Status Screen(DCP360i) Status Monitor), displays a value exceeding 50000 or 100000. And the thermal head is a consumable item and has a limited life span. So we recommend that the thermal head is replaced every time when the display value exceeds 120000.

Make sure that the power is turned off before cleaning.

1. Open printer door and remove the ink ribbon cassette. Refer to page 12 of this manual.

2. Dip the cotton swab (sold separately) with alcohol (sold separately) and wipe the thermal head.



The thermal head has been dismantled in the picture above for explanatory purposes.

Wipe the part indicated as ▭ carefully in a horizontal direction.

3. Insert ink ribbon cassette and close the printer door. Refer to pages 13 to 14 of this manual.

WARNING

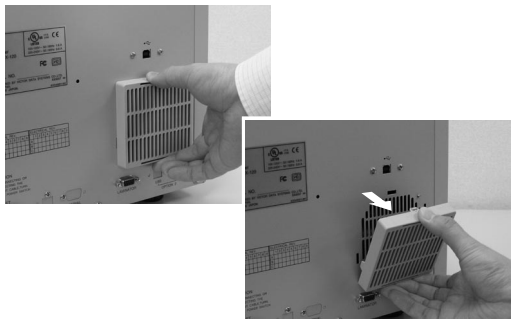
- The thermal head may be damaged upon contact with human bodies that carry static electricity. Be sure to touch the printer's screw (metal portion) before cleaning.
- Be careful not to damage the thermal head by knocking against hard objects such as metal when cleaning.

Cleaning the Fan Filter

Make sure that the power is turned off before cleaning.

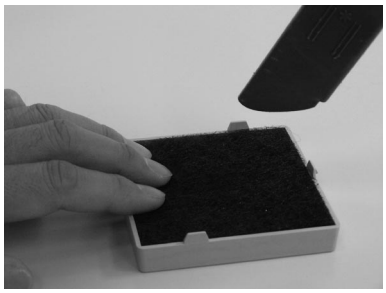
1. Remove the filter cover

Hold the upper and lower ends of the filter cover at the rear side of the printer and pull one of these ends forward to remove the filter cover.



2. Clean the filter

Remove dirt attached to the filter with a vacuum cleaner. While cleaning, press down the filter to prevent it from being sucked into the vacuum cleaner.



3. Set the filter and filter cover onto the printer.

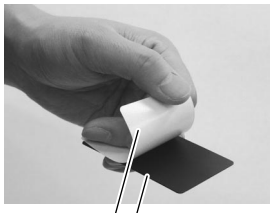
Cleaning the Card Transport Roller

In most cases, card jams are caused by dirty card transport rollers. It is recommended that you clean it after every 1,000 pieces.
Check to ensure that the power of the printer is turned off.

1. Open the printer door, remove the ink ribbon cassette, and lock by lowering the release lever. Refer to page 12 of this manual.

2. Close printer door and switch on power of the printer.
The printer will initialize and the ERROR LED and INK LED will start blinking.

3. Start cleaning

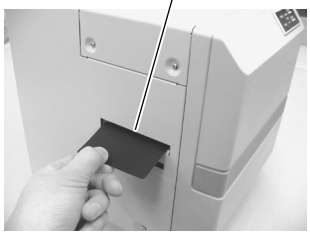


Separator
Cleaning Card
(Accessory)

(1) Peel off the both separator on the cleaning card

(2) Press the CLEAN button on the control panel for more than 1 second.
ERROR LED(Red) and IMK LED(Red) will be turned on a light, and READY LED(Green) start to blink.
(3) After 10 seconds later, roller of the card outlet will rotate for about 20 seconds before cards can be drawn in.

Card outlet



(4) Insert the cleaning card into the card exit.
The card will be drawn in and cleaning will be performed automatically.

CAUTION Roller at the card exit will stop if the cleaning card is not inserted within about 20 seconds.
In this case, do again the same procedure from (2).

CAUTION The cleaning card cannot be inserted through the NG Card outlet on the right on the printer.

4. Switch off the power after cleaning card is being ejected.
Wait for 10 seconds if you wish to switch on the power again.

CAUTION The cleaning card is a disposable type. It can only be used once. Using a dirty card over and over again will dirty the roller and result in breakdown.
Consult your dealer for any queries regarding the cleaning card.

Memo If the laminator is connected, cleaning can be done together by inserting the cleaning card into the card outlet of the laminator.

Cleaning the Magnetic Head

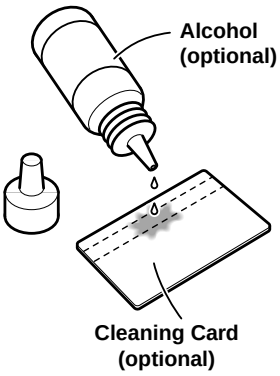
Dirty magnetic heads will result in writing / reading error. It is recommended that cleaning be performed after every 1,000 cards.
This is not required if you do not use magnetic stripe cards.

1. Perform cleaning with the ink ribbon cassette fitted.

2. Comfirm that the READY LED (green) is lighted.

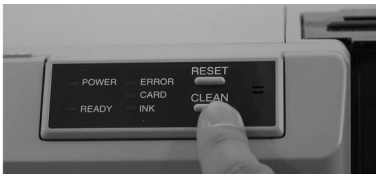
3. Removing card cassette
   Refer to Page 14 of this manual.
   When CARD LED is lit, proceed to the next step.

4. Apply alcohol on the magnetic head cleaning card
   Apply 3~4 drops of alcohol to where the magnetic stripe is located.



5. Start cleaning

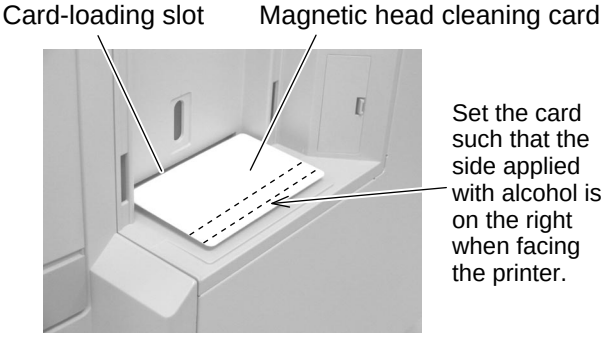
Press the CLEAN button on the control panel for 1 second or longer.
The printer is now ready for cleaning.



CAUTION Cleaning cannot begin if the magnetic head cleaning card is first placed at the card-loading slot.

6. Set the magnetic head cleaning card into card-loading slot as shown in the picture below.

Be careful not to set in the wrong direction.
Card will be drawn in and cleaning will start automatically.
Push gently with your fingers if the card is not drawn in.
The card will not be drawn in if the cleaning card is not set within about 10 seconds.
In this case, press the CLEAN button again for 1 second or longer to start cleaning. The roller will rotate for about 10 seconds before the card can be drawn in.


Card-loading slot
Magnetic head cleaning card
Set the card such that the side applied with alcohol is on the right when facing the printer.

7. Switch off the power after magnetic head cleaning card is ejected from the NG Card outlet.

Wait for about 10 seconds if you wish to switch on the power again.

CAUTION When cleaning the magnetic head, do not use the black adhesive card used for cleaning the roller. The adhesive card may stick to the head and cause the printer to malfunction.

CAUTION Change the magnetic head cleaning card when it is dirty. Using dirty cards may dirty the head and cause malfunctions.
Consult your dealer for any queries regarding the alcohol and magnetic head cleaning card.

After Maintenance

Ensure that all parts are properly put back in place after checking and cleaning.
If the parts are not put back properly, problems such as unable to turn on power or malfunction may occur.

Troubleshooting (Simplified Version)

Procedures for dealing with problems related to print quality and various problems not mentioned in this manual are described in the instruction manual recorded in the attached CD-ROM (electronic manual). Please read through the manual before making inquiries.

CAUTION Do not make use of any metal tools such as tweezers to “remove jammed cards” when the power is turned on. Doing so may cause the printer to break down or electric shock.

CAUTION There is a protruding part inside the printer body. Wear items such as hand gloves before inserting your hand during maintenance and be careful so as not to injure yourself.

Action for Error Code List

Below errors cord list is the representative error messages and actions in the printer or laminator. Refer to Troubleshooting (detailed version) of the instruction manual (electronic manual) recorded in the CD-ROM for error messages that are not mentioned here.

Error Code	Message on the DCP360i Status Monitor	Action
	No Printer is found.	Check whether the host computer and the printer is connected correctly with USB cable.Check whether the power of the card printer is turned on. Note: If the printer power may not be recognized even if the connection is correct. In such case, please turn off ond on the power of the printer. Then restart Status Monitor.
01020480	Printer Door is opened. Please close the door.	Close printer door.
01020481	Cleaning unit is not set. Please set the cleaning unit.	Attach cleaning unit.
01023A00	There is no card. Please supply cards.	Replenish card in the card cassette.
01023A80	Laminator is not ready. Card is printed but it is not laminated. Please solve the problem of the laminator. Lamination will begin automatically if it is solved.	Check whether the power of the laminator is turned on.If the laminator is switched off, turn on the power, and open the printer door and close it. Remove laminator problem by referring to instruction manual of the laminator.
01033600	Ink ribbon failure happens. Please open the printer door and make sure the ink ribbon is set correctly.	Check if ink ribbon is inserted properly.
01033B81	Feed JAM happens. Please unset the card cassette and rmove the card.	Refer to Feed Jam of Startup Guide and remove the jammed cards.
01033B82 – 01033B85 01033B88	Card JAM happens in the printer. Please open the printer door and remove the card in the printer.	Refer to Jam within Printer of Startup Guide and remove the jammed cards.
01033B86	Laminator is not ready. Please initialize the printer after the problem of the laminator is solved.	Refer to the instruction manual of the laminator and remove the laminator problem. When laminator switches to the Ready mode, open and close printer door to initialize the printer.
01040882	Printer initialization fails. Please confirm the laminator is ready and it is connected to the printer correctly.	Check to ensure that laminator is in the Ready mode and the connection cable between units are correctly installed.

Error Code	Message on the DCP360i Status Monitor	Action
01043681	Ink mark is not found. Please open the printer door and make sure the ink ribbon is set correctly.	Check if there is any ink ribbon defect. Downloaded data is incorrect. Check the file.
01420081	There is no ink ribon. Please open the printer door and replace the ink ribon with a new.	Replace with a new ink ribbon.
01420082	There is no laminator film. Card is printed but it is not laminated. Please open the front door and replace the film with a new, and the lamination will begin automatically.	Replace with a new laminator film.

Removing Jammed Card

CAUTION

- Stains such as fingerprints on the printed surface will result in printing errors. Use lint-free gloves (optional) when handling the card.
- Remove jammed cards in an environment that is not subject to excessive dust.

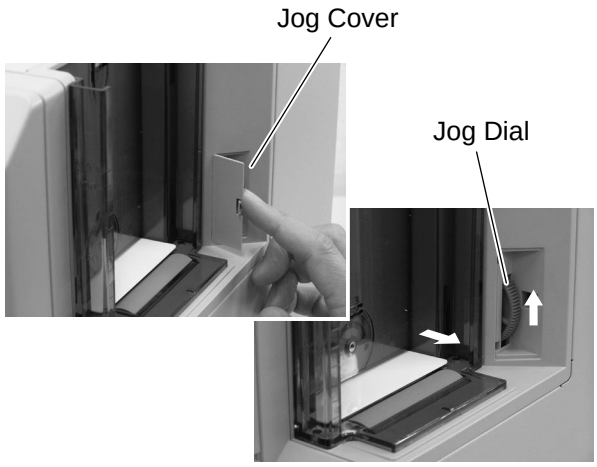
Feed Jam

1. Remove the card cassette cover.

Refer to page 14 of this manual.

2. Remove the jammed card.

Remove the cards in the card cassette and remove the jammed card at the bottom.
If the card is jammed inside the printer and difficult to be removed, open the jog cover behind the card cassette. Turn the jog dial anti-clockwise (upward) and the card will come out. The jog cover can be removed by pulling the lock at the center right towards you while pushing it leftwards.



CAUTION

Be careful not to misplace the jog cover after it has been dismantled.

3. Return unused cards to the cassette and put on the card cassette cover.

Refer to pages 14 and 15 of this manual for setting of cards.

4. Open and close the printer door

Printer will start to initialize and return to the Ready mode.

When there are frequent feed jams

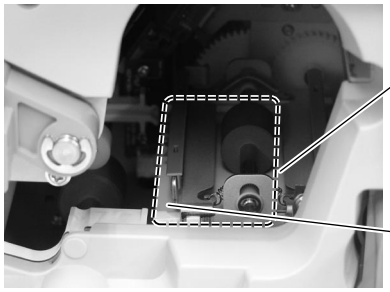
There is possibility that adjustment of the card cassette does not fit the card that is being used. Refer to page 14 of this manual for adjustment of card thickness and card separator adjustment of the card cassette.

Jam inside the printer

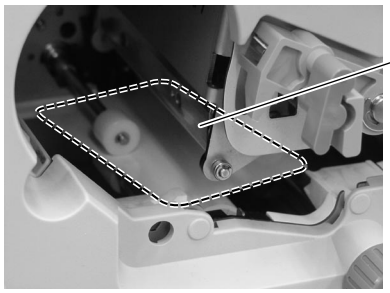
Open the printer door and remove the ink cassette. Refer to page 12 of this manual.
Check the inside visually to find out where the jammed card is.
Use the corresponding method to remove the card according to the condition of the jam.

CAUTION

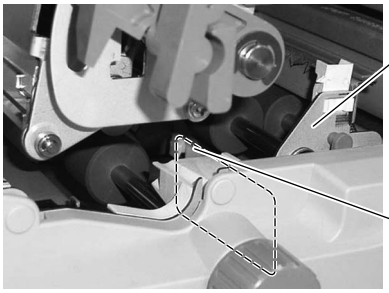
Do not touch inked surface with your hand.



A. When card is at the right (near Turnover unit)



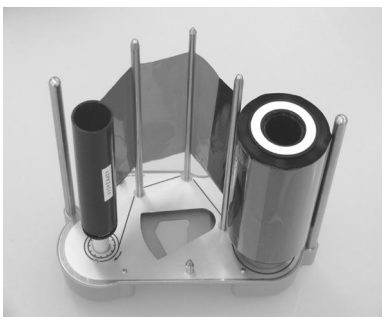
B. When card is at the left (near printing part)



C. When card can barely be seen from the encoder
* The encoder (optional) is located below the turnover unit.

CAUTION Be careful not to drop the ink ribbon into the interior of the printer when removing the ink cassette.

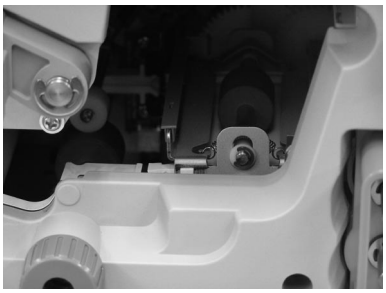
CAUTION Stand the ink cassette after removing it. Allowing the inked surface to touch the ground will make dirty the cassette and cause it to malfunction.



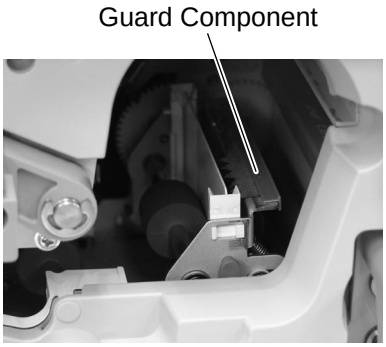
A. When card is at the right (near Turnover unit)

1. Open the jog cover behind the card cassette, and turn the JOG dial. Refer to page 26 of this manual (Feed Jam) on how to open the jog cover.

Push with your hand if the card does not move.



2. With the guard component (green color) on your right, turn the Turnover unit vertical with your hand. Turning the Turnover unit will move the card away from its center. As such, turn the jog dial to return card to the center of the Turnover unit while you are turning the Turnover unit.



CAUTION When turning the turnover unit, pay careful attention to the metal edges and ensure that gloves are used.

3. Turn the jog dial to move card to the top and remove with hand.

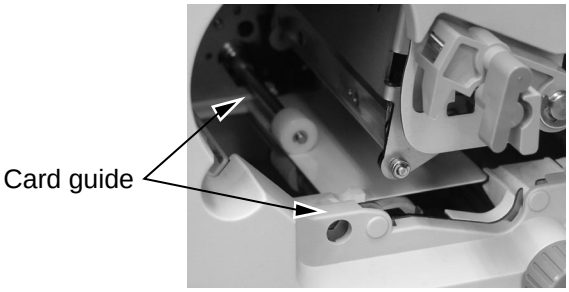
The turnover unit will return automatically to its original position upon closing the printer door.

4. Install the ink cassette and close the printer door. Refer to pages 12 and 13 of this manual.

Printer will start to initialize and return to the Ready mode.

B. When card is at the left (near printing unit)

1. Adjust the direction of the tilted card with your hand such that it is parallel with the card guide.

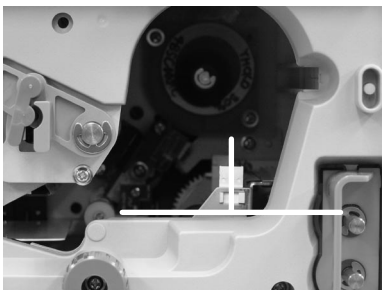


2. Install the ink ribbon cassette and close the printer door.
   Refer to pages 12 and 13 of this manual.
   Printer will start to initialize.
   The card is discharged from the NG Card Outlet and the printer is restored to the Ready mode.

C. When card can barely be seen from the encoding unit

1. Open the jog cover behind the card cassette, turn the jog dial in the anti-clockwise (upward) direction to move card into the encoder. Refer to page 26 of this manual (Feed Jam) on how to open the jog cover.

2. If the Turnover unit is not vertical, turn it to a vertical position with your hand.

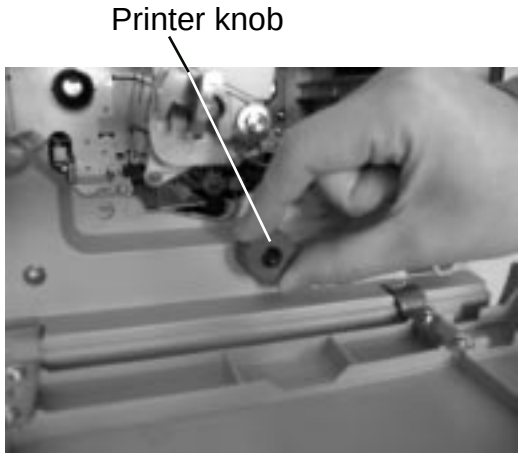


3. Turn the jog dial clockwise (down) to move card from the encoding unit to the Turnover unit, followed by removing it with your hand. The turnover unit will return automatically to its original position upon closing the printer door.

4. Install the ink ribbon cassette and close the printer door. Refer to pages 12 and 13 of this manual.
   Printer will start to initialize and return to the Ready mode.

Jam Inside Laminator

If the card is jammed between the printer and laminator, turn both the printer knob for moving the card as well as the jog dial of the laminator to move the card within the printer.
Upon initializing the laminator, set the ink cassette and close the printer door. The card will be discharged from the NG Card Outlet. If the card is inside the laminator, refer to the instruction manual of the laminator to remove the jammed card.



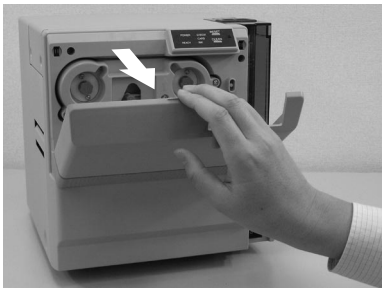
Procedures for Changing Thermal Head

CAUTION

- Static electricity in our bodies discharged to the thermal head may cause it to break down. Before exchange, touch metal parts of the printer such as the screw to release the static electricity.
- Do not touch the heating unit of the thermal head with your hand. If you have done so, follow procedures on the page 25 of this manual to perform cleaning upon changing the thermal head.
- Carry out the work carefully and avoid knocking the heating unit of the thermal head against any hard object.
- Ensure that printer is switched off before changing.
- Do not loosen or remove any screws for which instructions are not given in the procedures.

1. Place your fingers on top of the printer door and open by pulling it towards you.

   Open slowly while supporting it with your hands.



CAUTION

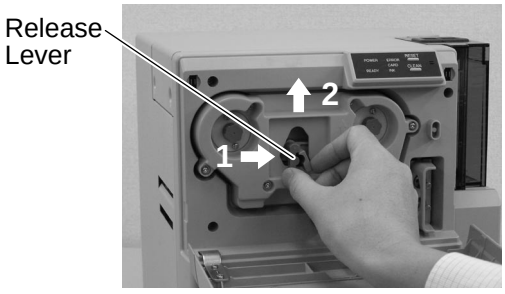
Do not install the ink ribbon on top of the printer door. Do not rest your elbow or place heavy objects on top. Doing so may damage the printer door.

2. Remove ink ribbon cassette

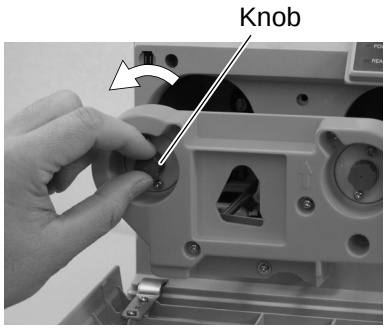
   (**1**)Hold the release lever with fingers, and **(2)** lift the lever to unlock.

* Exchanging ink ribbons:
Upon ensuring that the ink ribbon is pulled out by about 3 cm, turn the knob on the ink ribbon cassette in the direction indicated by the arrow to tighten the ribbon sag.

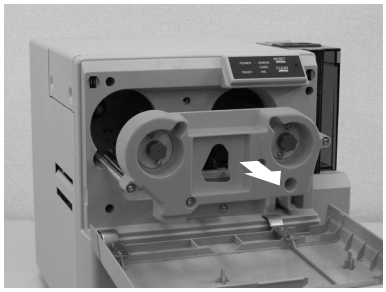
Remove the ink ribbon cassette while supporting it with both hands.
Stand the ink ribbon cassette on a flat and firm surface.



Unlock



Remove sag



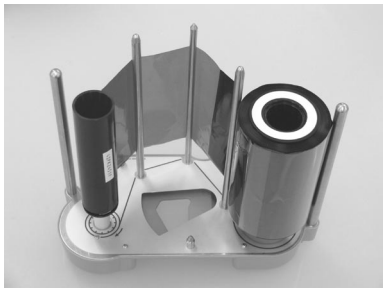
Eject ink ribbon cassette

CAUTION

When the ink ribbon is installed, be careful not to drop the ink ribbon into the interior of the printer when removing the cassette.

CAUTION

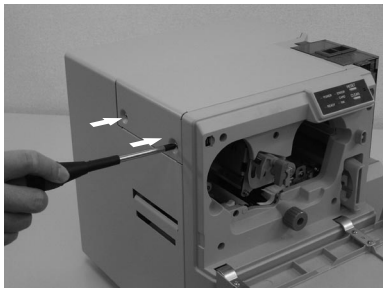
When removing the cassette for cleaning, always stand it as shown in the photo below. Allowing the inked surface to touch the ground will dirty the ink ribbon and cause it to malfunction.



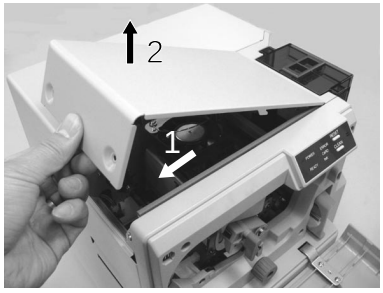
Procedures for Changing Thermal Head (continued)

3. Open the door for head exchange

Remove the 2 fastening screws on the left of the printer's head exchange door using a – (flathead) driver.

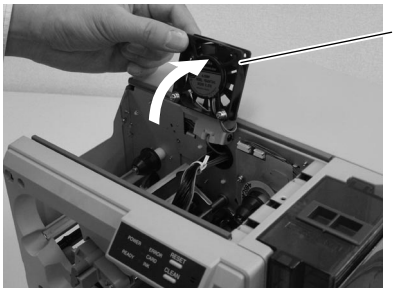


Slide the head exchange door to the left and remove by lifting it up.



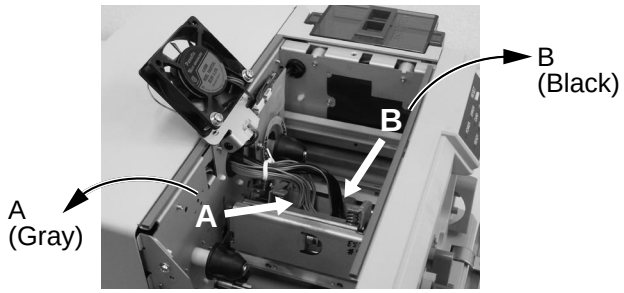
4. Move the head cooling fan.

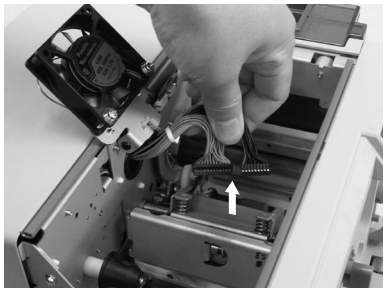
Lift towards you and lean it backwards.



5. Remove head cables A and B.

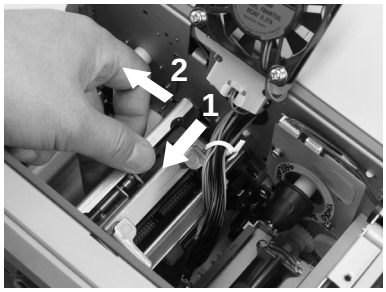
Hold the part of cable that is directly above the connector and remove by lifting them up carefully one by one.



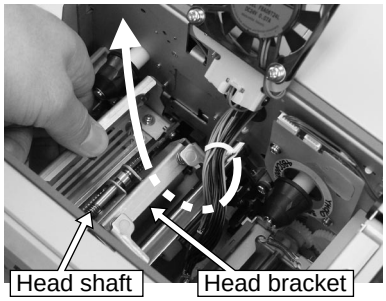


6. Remove the thermal head.

To remove the thermal head from the shaft, hold and move it to the left while pulling forward.
Lift it up while leading it through from underneath the head bracket.

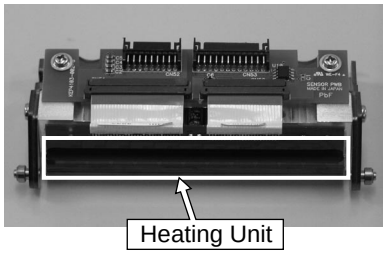


View from the top

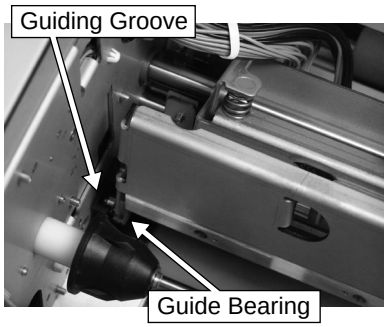


7. Install a new thermal head

Be careful not to hit the heating element of the thermal head against any hard object.
Reverse steps in 6. to install the thermal head while paying attention not to catch the head cable.

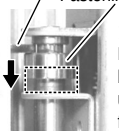


Check if the guide bearing of the thermal head is inside the guiding slot.



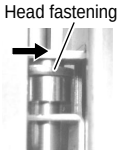
Push the fastening bearing at the head fastening unit forward and insert to the right to lock it securely.

Head fastening unit
Fastening bearing

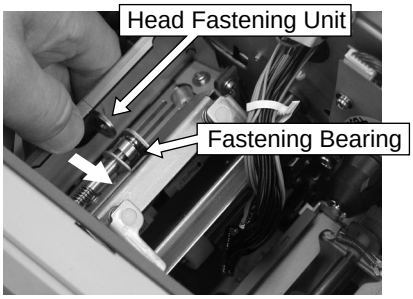


1
Pull the fastening bearing forward using the head fastening unit.

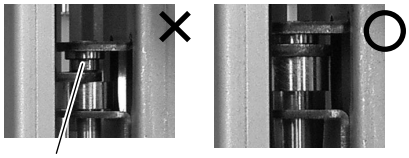
Head fastening unit



2
Push the head fastening unit into the back of the fastening bearing.

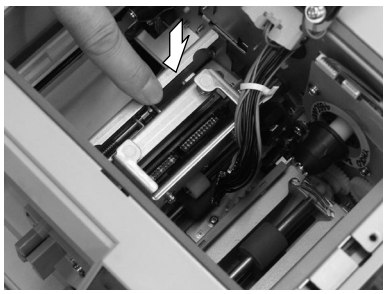


3
Check to ensure that the supporter unit is properly inserted into the hole of the head fastening unit and supported by the fastening bearing.



8. Insert head cables A and B.

Press the thermal head down slowly so that the cables can be easily inserted.
A click sound will be heard, and the ink cassette is now in a locked state.



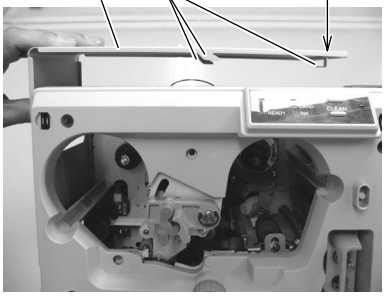
Hold the part that is directly above the cable connector and insert them slowly and securely one by one.

9. Return the head cooling fan to its original position.

10. Mount the head exchange door

Mount the head exchange door by reversing the steps in 3. and fasten the 2 screws securely.

Head exchange door
Tab
Ⓐ



Insert the 3 alignment tabs into the holes on the printer. Press and hold Ⓐ from above and slide it to the right.

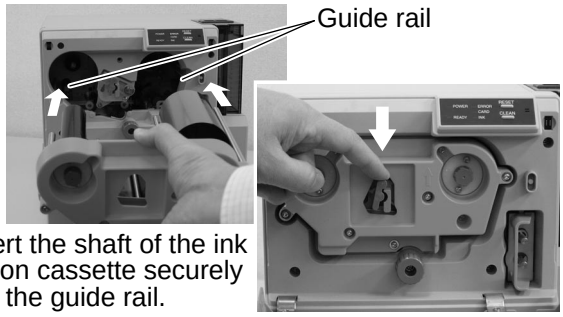
CAUTION
Set the head exchange door properly and be careful not to distort it.

Procedures for Changing Thermal Head (continued)

11. Insert the ink ribbon cassette along the guide rail.

Hold the release lever with fingers and lift it to unlock the ink ribbon cassette.

While making sure that the ink ribbon does not sag, push the ink ribbon cassette all the way in along the guide rail and lower the release lever to lock the ink ribbon cassette.



Insert the shaft of the ink ribbon cassette securely into the guide rail.

CAUTION Ribbon sags will result in jammed ink ribbon and uneven color caused by wrinkles when the ink ribbon cassette is attached to printer.

CAUTION Inserting the ink ribbon cassette by force when the shaft is not properly placed in the guide rail may damage the device.

12. Close printer door.

Shut the printer door tightly by pressing on the top right section of the door.

CAUTION To prevent damage, the printer door is made in such a way that it cannot be closed properly when the ink ribbon cassette is not locked or when the cassette is not inserted. Closing the printer door by force in such a case may damage the device.

Checking After Changing Thermal Head

After changing the thermal head, confirm print position by carrying out test print using color ink ribbons.
To perform a test print, press the Reset and Clean buttons on the control panel simultaneously for more than 1 second when the Ready LED is lit.
A test pattern will be printed. Ensure that margins around the card are almost equal (approximately 0.2 ~ 0.3 mm) on the top, bottom, left and right.

Direction of test pattern: Yellow on the top left

CAUTION To perform test print when the laminator is connected, do so after the laminator has switched to the Ready mode.

Adjust the printer setting function on the DCP360i status monitor if the margin is not equal. Procedures for using the DCP360i status monitor can be found in the instruction manual (electronic manual) recorded in the attached CD-ROM.

The density of print may change slightly before and after changing the thermal head. Slight adjustment of the density can be carried out using the printer setting function on the DCP360i status monitor.

Procedure for changing thermal head is now complete.

Consumable/Optional Items/Factory default

Consult your dealer for additional purchase of consumables or optional items. If various types of cards are used frequently, it is recommended that you purchase a card cassette according to the thickness of the cards to be used.

Consumable Items

- Cleaning Kit — Order No. DIK10044
  - Content
  - Alcohol Cleaning Pad (10 pieces)
  - Adhesive Cleaning Card (10 pieces)
  - Alcohol Cotton Swab (10 pieces)
- Ink Ribbon

YMCKO 750 screen pages	Order No. DIC10193
YMCKOK 600 screen pages	Order No. DIC10194
K monochrome ink 2200 screen pages	Order No. DIC10195

Optional Items

- Lamination Unit
  Model Name *EDIsecure*® ILU — Order No. DIH10173
- Printer Models

EDIsecure® DCP360i Printer	Order No. DIH10190
EDIsecure® DCP360i Printer with MG/Chop encoder	Order No. DIH10191

- Encoder Unit
  Model Name *EDIsecure*® MG/Chip encoding Module — Order No. DIH10192

Factory default

• YMC print level	0
• Resin K print level	0
• OP retransfer level	0
• Corecive Force Setting	
Iso type	Hi-Co
JIS type	Lo-Co
• YMC print mode	STANDARD
• Resin K print mode	STANDARD
• Offset X	Adjustment Value
• Offset Y	Adjustment Value
• Number of write retry	2
• Unit Number	1

In case of disposal

In case of disposal this unit, take care for compliance with the local law and regulations in your country.

The specifications and external appearance of this product are subject to change for improvements without a prior notice.

MEMO

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Software License Agreement

The software covered by this document is the computer program developed by Victor Company of Japan Limited. a Japanese company, for certain card printer products (“Products”), and is composed of the “USB Driver”, “Status Monitor” and “Printer Driver”. The foregoing software, including the attached documentation such as its startup guide, user’s manual, etc. (“Documentation”), is referred to as “this Software” hereafter.

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1. This Agreement and this License shall come into effect when the earliest act of Initiation implemented on your certain PC occurs.　Our Company may terminate this License without notification if you are in breach of any provision in this Agreement.　Our Company further reserves the right to claim for any damages it may suffer arising from such breach by you.
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1. Any modification, addition, deletion or other changes to this Agreement shall be invalid unless such changes are made in writing and affixed with the name and seal of or signed by the authorized representative of our Company.
2. This Agreement shall be governed by and construed in accordance with the laws of Japan.　Any disputes arising out of this Agreement shall be subject to the exclusive jurisdiction of the Tokyo District Court as the court of first instance.
3. If any provision of this Agreement is held to be invalid according to the laws of Japan, the remaining provisions will still remain in effect.

End of Agreement

Dye-Sublimation Direct Card Printer Printer *EDIsecure*® DCP360i Startup Guide

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